

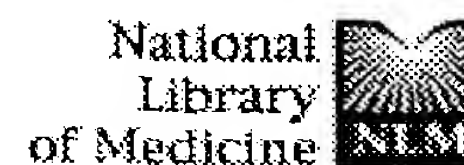
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
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
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











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
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
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

















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
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
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














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















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
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
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
































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











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
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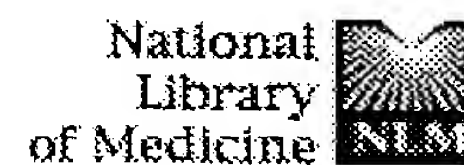
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
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
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
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
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
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
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
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
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
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
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
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



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



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
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
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
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
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
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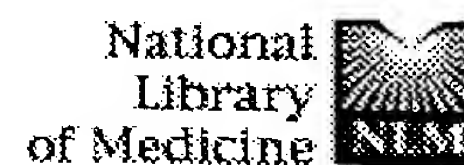
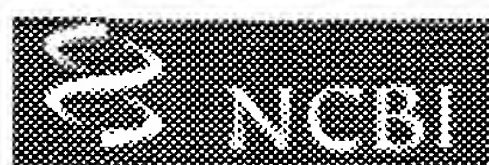
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Exclusively targeting beta-secretase to lipid rafts by GPI-anchor addition up-regulates beta-site processing of the amyloid precursor protein. Proc Natl Acad Sci U S A. 2003 Sep 30;100(20):11735-40. Epub 2003 Sep 22. PMID: 14504402 [PubMed - indexed for MEDLINE]

☐ 2: [Lee JM, Petrucelli L, Fisher G, Ramdath S, Castillo J, Di Fiore MM, D'Aniello A.](#) Related Articles, Links

Evidence for D-aspartyl-beta-amyloid secretase activity in human brain. J Neuropathol Exp Neurol. 2002 Feb;61(2):125-31. PMID: 11855381 [PubMed - indexed for MEDLINE]

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The functional gamma-secretase inhibitor prevents production of amyloid beta 1-34 in human and murine cell lines. Neurosci Lett. 2001 Nov 27;315(3):145-8. PMID: 11716984 [PubMed - indexed for MEDLINE]

☐ 4: [Levitan D, Lee J, Song L, Manning R, Wong G, Parker E, Zhang L.](#) Related Articles, Links

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Elevation of beta-amyloid peptide 2-42 in sporadic and familial Alzheimer's disease and its generation in PS1 knockout cells. J Biol Chem. 2001 Nov 16;276(46):42645-57. Epub 2001 Aug 28. PMID: 11526104 [PubMed - indexed for MEDLINE]

☐ 6: [Kimberly WT, Xia W, Rahmati T, Wolfe MS, Selkoe DJ.](#) Related Articles, Links

The transmembrane aspartates in presenilin 1 and 2 are obligatory for gamma-secretase activity and amyloid beta-protein generation. J Biol Chem. 2000 Feb 4;275(5):3173-8. PMID: 10652302 [PubMed - indexed for MEDLINE]


☐ 7: [Chevallier N, Vizzavona J, Marambaud P, Baur CP, Spillantini M, Fulcrand P, Martinez J, Goedert M, Vincent JP, Checler F.](#) Related Articles, Links

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
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Neuron. 1995 Mar;14(3):661-70.  
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 **10:** [De Strooper B. Umans L. Van Leuven F. Van Den Berghe H.](#)

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J Cell Biol. 1993 Apr;121(2):295-304.  
PMID: 8468348 [PubMed - indexed for MEDLINE]

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DN PREV200300325587  
TI AN ANALYSIS OF beta - \*\*\*SECRETASE\*\*\* ( BACE ) REGULATION.  
AU Huse, J. T. [Reprint Author]; Pijak, D. S. [Reprint Author]; Carlin, D. [Reprint Author]; Liu, K. [Reprint Author]; Lee, V. M. Y. [Reprint Author]; Doms, R. W. [Reprint Author]  
CS Dept. of Microbiology, Univ. of Pennsylvania, Philadelphia, PA, USA  
SO Society for Neuroscience Abstract Viewer and Itinerary Planner, (2002) Vol. 2002, pp. Abstract No. 687.13. <http://sfn.scholarone.com>. cd-rom. Meeting Info.: 32nd Annual Meeting of the Society for Neuroscience. Orlando, Florida, USA. November 02-07, 2002. Society for Neuroscience.  
DT Conference; (Meeting)  
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AN 2003:173770 BIOSIS  
DN PREV200300173770  
TI Employing a superior BACE1 cleavage sequence to probe cellular \*\*\*APP\*\*\* processing.  
AU Tomasselli, Alfredo G.; Qahwash, Isam; Emmons, Thomas L.; Lu, Yifeng; Leone, Joseph W.; Lull, June M.; Fok, Kam F.; Bannow, Carol A.; Smith, Clark W.; Bienkowski, Michael J.; Heinrikson, Robert L.; Yan, Riqiang [Reprint Author]  
CS Pharmacia Corporation, 301 Henrietta St., Kalamazoo, MI, 49007, USA  
ryan@pharmacia.com  
SO Journal of Neurochemistry, (March 2003) Vol. 84, No. 5, pp. 1006-1017. print.  
CODEN: JONRA9. ISSN: 0022-3042.  
DT Article  
LA English  
ED Entered STN: 2 Apr 2003  
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L6 ANSWER 3 OF 145 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2002:361328 BIOSIS  
DN PREV200200361328  
TI A non-amyloidogenic function of BACE-2 in the secretory pathway.  
AU Fluhrer, Regina; Capell, Anja; Westmeyer, Gil; Willem, Michael; Hartung, Bianka; Condrón, Margaret M.; Teplow, David B.; Haass, Christian; Walter, Jochen [Reprint author]  
CS Department of Neurology, Laboratory for Molecular Neurology, University of Bonn, Sigmund-Freud-Str. 25, 53127, Bonn, Germany  
chaass@pbm.med.uni-muenchen.de; jwalter@pbm.med.uni-muenchen.de  
SO Journal of Neurochemistry, (June, 2002) Vol. 81, No. 5, pp. 1011-1020. print.  
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DT Article  
LA English  
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L6 ANSWER 4 OF 145 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2002:228525 BIOSIS  
DN PREV200200228525  
TI Glu11 site cleavage and N-terminally truncated Abeta production upon BACE overexpression.  
AU Liu, Kangning; Doms, Robert W.; Lee, Virginia M.-Y. [Reprint author]  
CS Center for Neurodegenerative Disease Research, Department of Pathology and Laboratory Medicine, HUP, Maloney 3, Philadelphia, PA, 19104-4283, USA  
vmylee@mail.med.upenn.edu  
SO Biochemistry, (March 5, 2002) Vol. 41, No. 9, pp. 3128-3136. print.  
CODEN: BICHAW. ISSN: 0006-2960.

DT Article  
LA English  
ED Entered STN: 3 Apr 2002  
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AN 2002:75861 BIOSIS  
DN PREV200200075861  
TI The functional gamma- \*\*\*secretase\*\*\* inhibitor prevents production of amyloid beta 1-34 in human and murine cell lines.  
AU Vandermeeren, Marc; Geraerts, Martine; Pype, Stefan [Reprint author]; Dillen, Lieve; Van Hove, Carl; Mercken, Marc  
CS CNS Discovery Research, Janssen Research Foundation, Janssen Pharmaceutica, B-2340, Beerse, Belgium  
spype@janbe.jnj.com  
SO Neuroscience Letters, (November 27, 2001) Vol. 315, No. 3, pp. 145-148. print.  
CODEN: NELED5. ISSN: 0304-3940.

DT Article  
LA English  
ED Entered STN: 16 Jan 2002  
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L6 ANSWER 6 OF 145 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN  
AN 2001:482295 BIOSIS  
DN PREV200100482295  
TI Intracellular localization of BACE affects cleavage site specificity on the amyloid precursor protein.  
AU Huse, J. T. [Reprint author]; Pijak, D. S. [Reprint author]; Lee, V. M. Y. [Reprint author]; Doms, R. W. [Reprint author]  
CS Dept of Microbiology, Univ Pennsylvania Med Sch, Philadelphia, PA, USA  
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 510. print.  
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San Diego, California, USA. November 10-15, 2001.  
ISSN: 0190-5295.

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AN 2001:482293 BIOSIS  
DN PREV200100482293  
TI Prodomain processing of \*\*\*Asp1\*\*\* (BACE2) is autocatalytic.  
AU Hussain, I. [Reprint author]; Christie, G. [Reprint author]; Schneider, K.; Moore, S. [Reprint author]; Dingwall, C. [Reprint author]  
CS Neurology Centre of Excellence for Drug Discovery, GlaxoSmithKline, Harlow, Essex, CM19 5AW, UK  
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 509. print.  
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San Diego, California, USA. November 10-15, 2001.  
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AN 2001:482290 BIOSIS  
DN PREV200100482290  
TI Glu11 cleavage upon BACE over expression.  
AU Liu, K. [Reprint author]; Doms, R. W.; Lee, V. M.  
CS Biology, University of Pennsylvania, Philadelphia, PA, USA  
SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 509. print.  
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience. San  
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AN 2001:32711 BIOSIS  
DN PREV200100032711  
TI \*\*\*Asp1\*\*\* (BACE2) cleaves the amyloid precursor protein at the beta-  
\*\*\*secretase\*\*\* site.  
AU Hussain, I.; Powell, D. J.; Howlett, D. R.; Chapman, G. A.; Gilmour, L.;  
Murdock, P. R.; Tew, D. G.; Meek, T. D.; Chapman, C.; Schneider, K.;  
Ratcliffe, S. J.; Tattersall, D.; Testa, T. T.; Southan, C.; Ryan, D. M.;  
Simmons, D. L.; Walsh, F. S.; Dingwall, C.; Christie, G. [Reprint author]  
CS Department of Neuroscience Research, SmithKline Beecham Pharmaceuticals,  
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Gary\_Christie@sbphrd.com  
SO Molecular and Cellular Neuroscience, (November, 2000) Vol. 16, No. 5, pp.  
609-619. print.  
CODEN: MOCNED. ISSN: 1044-7431.  
DT Article  
LA English  
ED Entered STN: 10 Jan 2001  
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AN 2002:439475 CAPLUS  
DN 137:197417  
TI Specificity of Memapsin 1 and Its Implications on the Design of Memapsin 2  
(.beta.- \*\*\*Secretase\*\*\* ) Inhibitor Selectivity  
AU Turner, Robert T., III; Loy, Jeffrey A.; Nguyen, Chan; Devasamudram,  
Thippeswamy; Ghosh, Arun K.; Koelsch, Gerald; Tang, Jordan  
CS Protein Studies Program Department of Biochemistry and Molecular Biology,  
Oklahoma Medical Research Foundation University of Oklahoma Health  
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precursor protein substrates and their therapeutic uses  
IN Bienkowski, Michael Jerome; Gurney, Mark E.; Henrikson, Robert Leroy;  
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SO PCT Int. Appl., 185 pp.  
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|      | WO 2001050829  | A3   | 20031204 |                 |          |
|      | W: US          |      |          |                 |          |
| PRAI | US 1999-416901 | A1   | 19991013 |                 |          |

L6 ANSWER 12 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2001:507467 CAPLUS  
DN 135:104269

TI Alzheimer's disease-associated .beta.- \*\*\*secretase\*\*\* and amyloid  
precursor protein substrates and their therapeutic uses  
IN Bienkowski, Michael Jerome; Gurney, Mark E.; Heinrikson, Robert Leroy;  
Parodi, Luis A.; Yan, Riqiang  
PA USA  
SO PCT Int. Appl., 185 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 5

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | WO 2001049098  | A2   | 20010712 | WO 2001-IB798   | 20010509 |
|      | WO 2001049098  | A3   | 20031120 |                 |          |
|      | W: US          |      |          |                 |          |
| PRAI | US 1999-416901 | A1   | 19991013 |                 |          |

L6 ANSWER 13 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2001:507466 CAPLUS  
DN 135:104268

TI Alzheimer's disease-associated .beta.- \*\*\*secretase\*\*\* and amyloid  
precursor protein substrates and their therapeutic uses  
IN Bienkowski, Michael Jerome; Gurney, Mark E.; Heinrikson, Robert Leroy;  
Parodi, Luis A.; Yan, Riqiang  
PA USA  
SO PCT Int. Appl., 185 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 5

|      | PATENT NO.     | KIND | DATE     | APPLICATION NO. | DATE     |
|------|----------------|------|----------|-----------------|----------|
| PI   | WO 2001049097  | A2   | 20010712 | WO 2001-IB797   | 20010509 |
|      | WO 2001049097  | A3   | 20031120 |                 |          |
|      | W: US          |      |          |                 |          |
|      | US 2003077226  | A1   | 20030424 | US 2001-869414  | 20010627 |
| PRAI | US 1999-416901 | A1   | 19991013 |                 |          |
|      | WO 2001-IB797  | W    | 20010509 |                 |          |

L6 ANSWER 14 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2001:320146 CAPLUS  
DN 134:348234

TI Method of screening for inhibitors of \*\*\*Asp1\*\*\* aspartyl proteinase,  
and therapeutic use  
IN Christie, Gary; Hussain, Ishrut; Powell, David Jonathan  
PA Smithkline Beecham P.L.C., UK; Smithkline Beecham Corp.  
SO PCT Int. Appl., 31 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

|      | PATENT NO.  | KIND | DATE     | APPLICATION NO. | DATE     |
|------|---|------|----------|-----------------|----------|
| PI   | WO 2001031054   | A1   | 20010503 | WO 2000-GB4028  | 20001019 |
|      | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |      |          |                 |          |
|      | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  |      |          |                 |          |
|      | EP 1224320  | A1   | 20020724 | EP 2000-971526  | 20001019 |
|      | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL   |      |          |                 |          |
|      | JP 2003512080   | T2   | 20030402 | JP 2001-533189  | 20001019 |
|      | US 2003171291   | A1   | 20030911 | US 2003-354955  | 20030130 |
| PRAI | GB 1999-25136   | A    | 19991022 |                 |          |
|      | WO 2000-GB4028  | W    | 20001019 |                 |          |
|      | US 2000-693744  | B1   | 20001020 |                 |          |

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 15 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2001:247466 CAPLUS

DN 134:277406  
TI Cloning and characterization of mammalian \*\*\*secretase\*\*\* isoenzymes,  
their amyloid precursor protein substrates, and uses for treatment or  
prevention of Alzheimer's disease  
IN Gurney, Mark; Bienkowski, Michael Jerome  
PA Pharmacia & Upjohn Company, USA  
SO PCT Int. Appl., 189 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 5

|      | PATENT NO.      | KIND   | DATE     | APPLICATION NO. | DATE     |
|------|-----------------|--|----------|-----------------|----------|
| PI   | WO 2001023533   | A2   | 20010405 | WO 2000-US26080 | 20000922 |
|      | WO 2001023533   | A3   | 20020510 |                 |          |
|      | W:              | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                 |          |
|      | RW:             | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
|      | WO 2000017369   | A2   | 20000330 | WO 1999-US20881 | 19990923 |
|      | WO 2000017369   | A3   | 20001123 |                 |          |
|      | W:              | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM                     |          |                 |          |
|      | RW:             | GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
|      | EP 1224297      | A2   | 20020724 | EP 2000-965338  | 20000922 |
|      | R:              | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL   |          |                 |          |
| PRAI | US 1999-155493P | P  | 19990923 |                 |          |
|      | US 1999-404133  | A  | 19990923 |                 |          |
|      | WO 1999-US20881 | A2   | 19990923 |                 |          |
|      | US 1999-416901  | A2   | 19991013 |                 |          |
|      | US 1999-169232P | P  | 19991206 |                 |          |
|      | US 1998-101594P | P  | 19980924 |                 |          |
|      | WO 2000-US26080 | W  | 20000922 |                 |          |

L6 ANSWER 16 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:603461 CAPLUS  
DN 133:280000  
TI BACE2, a .beta.- \*\*\*secretase\*\*\* homolog, cleaves at the .beta. site  
and within the amyloid-.beta. region of the amyloid-.beta. precursor  
protein  
AU Farzan, Michael; Schnitzler, Christine E.; Vasilieva, Natalya; Leung,  
Doris; Choe, Hyeryun  
CS Department of Cancer Immunology and AIDS, Dana-Farber Cancer Institute,  
Boston, MA, 02115, USA  
SO Proceedings of the National Academy of Sciences of the United States of  
America (2000), 97(17), 9712-9717  
CODEN: PNASA6; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 17 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:210393 CAPLUS  
DN 132:249585  
TI The ASP2 gene encoding the membrane-anchored aspartic protease .beta.-  
\*\*\*secretase\*\*\* associated with amyloid processing in Alzheimer's  
disease  
IN Gurney, Mark E.; Bienkowski, Michael Jerome; Heinrikson, Robert Leroy;  
Parodi, Luis A.; Yan, Riqiang  
PA Pharmacia & Upjohn Company, USA  
SO PCT Int. Appl., 183 pp.  
CODEN: PIXXD2

DT Patent  
LA English  
FAN.CNT 5

|      | PATENT NO.      | KIND   | DATE     | APPLICATION NO. | DATE     |
|------|-----------------|--|----------|-----------------|----------|
| PI   | WO 2000017369   | A2   | 20000330 | WO 1999-US20881 | 19990923 |
|      | WO 2000017369   | A3   | 20001123 |                 |          |
|      | W:              | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM                     |          |                 |          |
|      | RW:             | GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
|      | CA 2343004      | AA   | 20000330 | CA 1999-2343004 | 19990923 |
|      | AU 9961418      | A1   | 20000410 | AU 1999-61418   | 19990923 |
|      | EP 1115874      | A2   | 20010718 | EP 1999-948189  | 19990923 |
|      | R:              | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO   |          |                 |          |
|      | BR 9913920      | A  | 20011106 | BR 1999-13920   | 19990923 |
|      | JP 2002526081   | T2   | 20020820 | JP 2000-574268  | 19990923 |
|      | US 6420534      | B1   | 20020716 | US 2000-548372  | 20000412 |
|      | US 6440698      | B1   | 20020827 | US 2000-548367  | 20000412 |
|      | US 2003104365   | A1   | 20030605 | US 2000-548366  | 20000412 |
|      | US 6500667      | B1   | 20021231 | US 2000-551853  | 20000418 |
|      | WO 2001023533   | A2   | 20010405 | WO 2000-US26080 | 20000922 |
|      | WO 2001023533   | A3   | 20020510 |                 |          |
|      | W:              | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM |          |                 |          |
|      | RW:             | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG   |          |                 |          |
|      | GB 2357767      | A1   | 20010704 | GB 2000-23315   | 20000922 |
|      | GB 2357767      | B2   | 20020821 |                 |          |
|      | GB 2367060      | A1   | 20020327 | GB 2001-25934   | 20000922 |
|      | GB 2367060      | B2   | 20030604 |                 |          |
|      | EP 1224297      | A2   | 20020724 | EP 2000-965338  | 20000922 |
|      | R:              | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL   |          |                 |          |
|      | EP 1249498      | A2   | 20021016 | EP 2002-15537   | 20000922 |
|      | R:              | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL   |          |                 |          |
|      | US 2001016324   | A1   | 20010823 | US 2001-794927  | 20010227 |
|      | US 2001021391   | A1   | 20010913 | US 2001-794743  | 20010227 |
|      | US 2002037315   | A1   | 20020328 | US 2001-794748  | 20010227 |
|      | US 2002064819   | A1   | 20020530 | US 2001-794925  | 20010227 |
|      | US 2001018208   | A1   | 20010830 | US 2001-795847  | 20010228 |
|      | ZA 2001002387   | A  | 20020923 | ZA 2001-2387    | 20010322 |
|      | NO 2001001505   | A  | 20010523 | NO 2001-1505    | 20010323 |
|      | US 2002081634   | A1   | 20020627 | US 2001-681442  | 20010405 |
| PRAI | US 1998-101594P | P  | 19980924 |                 |          |
|      | GB 2000-23315   | A3   | 19990923 |                 |          |
|      | US 1999-155493P | P  | 19990923 |                 |          |
|      | US 1999-404133  | A2   | 19990923 |                 |          |
|      | WO 1999-US20881 | W  | 19990923 |                 |          |
|      | US 1999-416901  | A3   | 19991013 |                 |          |
|      | US 1999-169232P | P  | 19991206 |                 |          |
|      | EP 2000-965338  | A3   | 20000922 |                 |          |
|      | WO 2000-US26080 | W  | 20000922 |                 |          |

L6 ANSWER 18 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2000:44900 CAPLUS

DN 132:218674

TI Characterization of .beta.- \*\*\*secretase\*\*\* using antibodies specific to the released N-terminus of .beta.-amyloid

AU Austen, Brian M.; Frears, Emma R.; Stephens, David J.

CS Dept of Surgery, St. George's Hospital Medical School, London, SW17 0RE, UK

SO Innovation and Perspectives in solid Phase Synthesis & Combinatorial Libraries: Peptides, Proteins and Nucleic Acids--Small Molecule Organic



Chemical Diversity, Collected Papers, International Symposium, 5th,  
London, Sept. 2-6, 1997 (1999), Meeting Date 1997, 177-180. Editor(s):  
Epton, Roger. Publisher: Mayflower Scientific Ltd., Kingswinford, UK.  
CODEN: 680EAA

DT Conference

LA English

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 19 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:816597 CAPLUS

DN 132:206448

TI Membrane-anchored aspartyl protease with Alzheimer's disease .beta.-  
\*\*\*secretase\*\*\* activity

AU Yan, Riqiang; Bienkowski, Michael J.; Shuck, Mary E.; Miao, Huiyi; Tory,  
Monica C.; Pauley, Adele M.; Brashler, John R.; Stratman, Nancy C.;  
Mathews, W. Rodney; Buhl, Allen E.; Carter, Donald B.; Tomasselli, Alfredo  
G.; Parodi, Luis A.; Heinrikson, Robert L.; Gurney, Mark E.

CS Cell & Molecular Biology, Genomics, Protein Sciences, Pharmacology,  
Structural, Analytical & Medicinal Chemistry and Neurobiology, Pharmacia &  
Upjohn, Inc., Kalamazoo, MI, 49007, USA

SO Nature (London) (1999), 402(6761), 533-537

CODEN: NATUAS; ISSN: 0028-0836

PB Macmillan Magazines

DT Journal

LA English

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 20 OF 145 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1996:304668 CAPLUS

DN 125:6770

TI The role of \*\*\*APP\*\*\* processing and trafficking pathways in the  
formation of amyloid .beta.-protein

AU Selkoe, D. J.; Yamazaki, T.; Citron, M.; Podlisny, M. B.; Koo, E. H.;  
Teplov, D. B.; Haass, C.

CS Center for Neurologic Diseases, Brigham and Women's Hospital, Boston, MA,  
02115, USA

SO Annals of the New York Academy of Sciences (1996), 777(Neurobiology of  
Alzheimers Disease), 57-64

CODEN: ANYAA9; ISSN: 0077-8923

PB New York Academy of Sciences

DT Journal; General Review

LA English

L6 ANSWER 21 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN ABB78621 Peptide DGENE

TI Human aspartyl protease 1 substrates useful in assays to detect aspartyl  
protease activity, e.g. for the diagnosis of Alzheimer's disease -

IN Bienkowski M J; Gurney M

PA (PHAA) PHARMACIA & UPJOHN CO.

PI GB 2367060 A 20020327 182p

AI GB 2001-25934 20011029

PRAI US 1999-155493P 19990923

US 1999-404133 19990923

WO 1999-US20881 19990923

US 1999-416901 19991013

US 1999-169232P 19991206

GB 2000-23315 20000922

DT Patent

LA English

OS 2002-396337 [43]

DESC \*\*\*APP\*\*\* Swedish mutant form beta- \*\*\*secretase\*\*\* processing  
site SEQ ID NO:70.

L6 ANSWER 22 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAE10671 peptide DGENE

TI Polypeptide comprising fragments of human aspartyl protease with amyloid  
precursor protein processing activity and alpha- \*\*\*secretase\*\*\*  
activity, for identifying modulators useful in treating Alzheimer's  
disease -

IN Bienkowski M J; Gurney M

PA (PHAA) PHARMACIA & UPJOHN CO.

PI GB 2357767 A 20010704 187p

AI GB 2000-23315 20000922

PRAI US 1999-155493 19990923

US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 2(a) (hu-Asp2a) N-terminal peptide #2.

L6 ANSWER 23 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10670 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 2(a) (hu-Asp2a) N-terminal peptide #1.

L6 ANSWER 24 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10669 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Quenched fluorescent peptide used to assay human Asp-2b activity.

L6 ANSWER 25 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10668 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human \*\*\*APP\*\*\* -Sw mutant beta- \*\*\*secretase\*\*\* substrate peptide #2.

L6 ANSWER 26 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10667 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human \*\*\*APP\*\*\* -Sw mutant beta- \*\*\*secretase\*\*\* substrate peptide #1.

L6 ANSWER 27 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10666 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 2(a) (hu-Asp2a) C-terminal peptide.

L6 ANSWER 28 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10665 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 1 (hu- \*\*\*Asp1\*\*\* ) C-terminal peptide.

L6 ANSWER 29 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10663 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human amyloid precursor protein substrate alpha- \*\*\*secretase\*\*\* peptide #2.

L6 ANSWER 30 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10662 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human amyloid precursor protein substrate alpha- \*\*\*secretase\*\*\* peptide #1.

L6 ANSWER 31 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10661 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease-1 beta- \*\*\*secretase\*\*\* Swedish mutant peptide.

L6 ANSWER 32 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10660 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human Aspartyl protease-1 (hu-Asp-1) beta- \*\*\*secretase\*\*\* , wild-type peptide.

L6 ANSWER 33 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10659 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923

US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human Aspartyl protease 1 (hu-Asp 1) self activation substrate peptide.

L6 ANSWER 34 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10658 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Acid-processed hu-Asp 1 lacking TM domain and containing (His)6 tag.

L6 ANSWER 35 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10657 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Secreted recombinant hu-Asp 1 with (His)6 tag and lacking TM domain.

L6 ANSWER 36 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10656 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human-Asp 1 protein lacking TM domain and containing (His)6 tag.

L6 ANSWER 37 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10655 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p

AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human \*\*\*APP\*\*\* gamma- \*\*\*secretase\*\*\* specific substrate peptide,  
 PHA-179111E.

L6 ANSWER 38 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10654 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid  
 precursor protein processing activity and alpha- \*\*\*secretase\*\*\*  
 activity, for identifying modulators useful in treating Alzheimer's  
 disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human wild-type \*\*\*APP\*\*\* beta- \*\*\*secretase\*\*\* peptide,  
 PHA-95812E.

L6 ANSWER 39 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10653 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid  
 precursor protein processing activity and alpha- \*\*\*secretase\*\*\*  
 activity, for identifying modulators useful in treating Alzheimer's  
 disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human \*\*\*APP\*\*\* -Sw beta- \*\*\*secretase\*\*\* substrate peptide mutant,  
 PHA-247574E.

L6 ANSWER 40 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10652 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid  
 precursor protein processing activity and alpha- \*\*\*secretase\*\*\*  
 activity, for identifying modulators useful in treating Alzheimer's  
 disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Preission protease peptide for expression of pro-human-Asp2.

L6 ANSWER 41 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10651 Protein DGENE



TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17900  
 DESC Human amyloid protein precursor 751-KK (APP751-KK) isoform.

L6 ANSWER 42 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10650 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17899  
 DESC Human amyloid protein precursor 770-KK (APP770-KK) isoform.

L6 ANSWER 43 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10649 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17898  
 DESC Human amyloid protein precursor 751 (APP751) isoform.

L6 ANSWER 44 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10648 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17897  
 DESC Human amyloid protein precursor 770 (APP770) isoform.

L6 ANSWER 45 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10647 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17896  
 DESC Human-Asp 2(b) protein lacking TM domain and containing (His)6 tag.

L6 ANSWER 46 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10646 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17895  
 DESC Human-Asp 2(b) protein lacking transmembrane domain.

L6 ANSWER 47 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10645 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 2 (hu-Asp2) modified C-terminal peptide.

L6 ANSWER 48 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10644 peptide DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.

PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 1 (hu- \*\*\*Asp1\*\*\* ) C-terminal peptide epitope.

L6 ANSWER 49 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10643 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17879  
 DESC Human-Asp 2(a) protein with (His)6 tag and lacking TM domain.

L6 ANSWER 50 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10642 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17878  
 DESC Human-Asp 2(a) protein lacking transmembrane domain.

L6 ANSWER 51 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10641 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17877  
 DESC T7-Caspase-Caspase 8 cleavage-human-pro-Asp2(a) lacking TM domain.

L6 ANSWER 52 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAE10640 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17876  
 DESC Human-pro-Asp 2(a) protein lacking TM domain.

L6 ANSWER 53 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10639 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17875  
 DESC T7-Caspase-human-pro-Asp 2(a) protein lacking TM domain.

L6 ANSWER 54 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10638 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17874  
 DESC T7-Human-pro-Asp 2(a) protein lacking TM domain.

L6 ANSWER 55 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10637 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013

US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17873  
 DESC Human amyloid protein precursor 695-VF-KK (APP695-VF-KK) isoform.

L6 ANSWER 56 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10636 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17872  
 DESC Human amyloid protein precursor 695-SW-KK (APP695-SW-KK) isoform.

L6 ANSWER 57 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10635 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17871  
 DESC Human amyloid protein precursor 695-KK (APP695-KK) isoform.

L6 ANSWER 58 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10634 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR N-PSDB: AAD17870  
 DESC Human amyloid protein precursor 695-VF (APP695-VF) isoform.

L6 ANSWER 59 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE10633 Protein DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR N-PSDB: AAD17869  
DESC Human amyloid protein precursor 695-Swedish (APP695-Sw) isoform.

L6 ANSWER 60 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAE10632 Protein DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR N-PSDB: AAD17868  
DESC Human wild-type amyloid protein precursor 695 (APP695) protein.

L6 ANSWER 61 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAE10631 Protein DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR N-PSDB: AAD17867  
DESC Murine aspartyl protease 2(a) [Asp2(a)] protein.

L6 ANSWER 62 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAE10630 Protein DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR N-PSDB: AAD17866



DESC Human aspartyl protease 2(b) [hu-Asp2(b)] protein.

L6 ANSWER 63 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAE10629 Protein DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR N-PSDB: AAD17865  
DESC Human aspartyl protease 2(a) [hu-Asp2(a)] protein.

L6 ANSWER 64 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAE10628 Protein DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR N-PSDB: AAD17864  
DESC Human aspartyl protease 1 (hu- \*\*\*Asp1\*\*\* ) protein.

L6 ANSWER 65 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAU06618 Peptide DGENE  
TI Novel purified polypeptide comprising fragment of mammalian aspartyl protease 2, lacking Asp2 transmembrane domain and retaining beta \*\*\*secretase\*\*\* activity of Asp2 useful for identifying inhibitors of Asp2 activity -  
IN Bienkowski M J; Gurney M E; Heinrikson R L; Parodi L A; Yan R  
PA (BIEN-I) BIENKOWSKI M J.  
(GURN-I) GURNEY M E.  
(HEIN-I) HEINRIKSON R L.  
(PARO-I) PARODI L A.  
(YANR-I) YAN R.  
PI WO 2001049098 A2 20010712 185p  
AI WO 2001-IB798 20010509  
PRAI WO 2001-IB798 20010509  
DT Patent  
LA English  
OS 2001-502549 [55]  
DESC Human Aspartyl protease 1 ( \*\*\*Asp1\*\*\* ) epitope.

L6 ANSWER 66 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAU06602 Protein DGENE  
TI Novel purified polypeptide comprising fragment of mammalian aspartyl protease 2, lacking Asp2 transmembrane domain and retaining beta \*\*\*secretase\*\*\* activity of Asp2 useful for identifying inhibitors of Asp2 activity -  
IN Bienkowski M J; Gurney M E; Heinrikson R L; Parodi L A; Yan R  
PA (BIEN-I) BIENKOWSKI M J.  
(GURN-I) GURNEY M E.  
(HEIN-I) HEINRIKSON R L.  
(PARO-I) PARODI L A.  
(YANR-I) YAN R.

PI WO 2001049098 A2 20010712 185p  
 AI WO 2001-IB798 20010509  
 PRAI WO 2001-IB798 20010509  
 DT Patent  
 LA English  
 OS 2001-502549 [55]  
 CR N-PSDB: AAS11516  
 DESC Human Aspartyl protease 1 ( \*\*\*Asp1\*\*\* ).

L6 ANSWER 67 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE06874 peptide DGENE  
 TI Novel purified polypeptide comprising fragment of mammalian aspartyl  
 protease 2, lacking Asp2 transmembrane domain and retaining beta  
 \*\*\*secretase\*\*\* activity of Asp2 useful for identifying inhibitors of  
 Asp2 activity -  
 IN Bienkowski M J; Gurney M E; Heinrikson R L; Parodi L A; Yan R  
 PA (BIEN-I) BIENKOWSKI M J.  
 (GURN-I) GURNEY M E.  
 (HEIN-I) HEINRIKSON R L.  
 (PARO-I) PARODI L A.  
 (YANR-I) YAN R.

PI WO 2001050829 A2 20010719 185p  
 AI WO 2001-IB799 20010509  
 PRAI WO 2001-IB799 20010509  
 DT Patent  
 LA English  
 OS 2001-483072 [52]  
 DESC Human aspartyl protease 1 (Hu- \*\*\*Asp1\*\*\* ) C-terminal peptide epitope.

L6 ANSWER 68 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE06858 Protein DGENE  
 TI Novel purified polypeptide comprising fragment of mammalian aspartyl  
 protease 2, lacking Asp2 transmembrane domain and retaining beta  
 \*\*\*secretase\*\*\* activity of Asp2 useful for identifying inhibitors of  
 Asp2 activity -  
 IN Bienkowski M J; Gurney M E; Heinrikson R L; Parodi L A; Yan R  
 PA (BIEN-I) BIENKOWSKI M J.  
 (GURN-I) GURNEY M E.  
 (HEIN-I) HEINRIKSON R L.  
 (PARO-I) PARODI L A.  
 (YANR-I) YAN R.

PI WO 2001050829 A2 20010719 185p  
 AI WO 2001-IB799 20010509  
 PRAI WO 2001-IB799 20010509  
 DT Patent  
 LA English  
 OS 2001-483072 [52]  
 CR N-PSDB: AAD13020  
 DESC Human aspartyl protease 1 (Hu- \*\*\*Asp1\*\*\* ) protein.

L6 ANSWER 69 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02615 peptide DGENE  
 TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid  
 precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.

PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human amyloid precursor protein substrate alpha- \*\*\*secretase\*\*\*  
 peptide #2.

L6 ANSWER 70 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02614 peptide DGENE  
 TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid  
 precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.

PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922

PRAI US 1999-155493 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206

DT Patent  
LA English

OS 2001-290516 [30]

DESC Human amyloid precursor protein substrate alpha- \*\*\*secretase\*\*\*  
peptide #1.

L6 ANSWER 71 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAE02613 peptide DGENE

TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid  
precursor protein, useful for the treatment of Alzheimer's disease -

IN Gurney M; Bienkowski M J

PA (PHAA) PHARMACIA & UPJOHN CO.

PI WO 2001023533 A2 20010405 189p

AI WO 2000-US26080 20000922

PRAI US 1999-155493 19990923

WO 1999-US20881 19990923

US 1999-416901 19991013

US 1999-169232 19991206

DT Patent

LA English

OS 2001-290516 [30]

DESC Human Aspartyl protease-1 beta- \*\*\*secretase\*\*\* Swedish mutant form  
peptide.

L6 ANSWER 72 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAE02612 peptide DGENE

TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid  
precursor protein, useful for the treatment of Alzheimer's disease -

IN Gurney M; Bienkowski M J

PA (PHAA) PHARMACIA & UPJOHN CO.

PI WO 2001023533 A2 20010405 189p

AI WO 2000-US26080 20000922

PRAI US 1999-155493 19990923

WO 1999-US20881 19990923

US 1999-416901 19991013

US 1999-169232 19991206

DT Patent

LA English

OS 2001-290516 [30]

DESC Human Aspartyl protease-1 (hu-Asp-1) beta- \*\*\*secretase\*\*\* , wild-type  
peptide.

L6 ANSWER 73 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAE02611 peptide DGENE

TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid  
precursor protein, useful for the treatment of Alzheimer's disease -

IN Gurney M; Bienkowski M J

PA (PHAA) PHARMACIA & UPJOHN CO.

PI WO 2001023533 A2 20010405 189p

AI WO 2000-US26080 20000922

PRAI US 1999-155493 19990923

WO 1999-US20881 19990923

US 1999-416901 19991013

US 1999-169232 19991206

DT Patent

LA English

OS 2001-290516 [30]

DESC Human Aspartyl protease-1 (hu-Asp-1) self activation substrate peptide.

L6 ANSWER 74 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAE02610 Protein DGENE

TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid  
precursor protein, useful for the treatment of Alzheimer's disease -

IN Gurney M; Bienkowski M J

PA (PHAA) PHARMACIA & UPJOHN CO.

PI WO 2001023533 A2 20010405 189p

AI WO 2000-US26080 20000922

PRAI US 1999-155493 19990923

WO 1999-US20881 19990923

US 1999-416901 19991013

US 1999-169232 19991206

DT Patent

LA English  
 OS 2001-290516 [30]  
 DESC Human acid-processed form of aspartyl protease-1 deltaTM (His)6 protein.

L6 ANSWER 75 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02609 Protein DGENE  
 TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human secreted aspartyl protease-1 (Asp-1) deltaTM (His)6 protein.

L6 ANSWER 76 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02608 Protein DGENE  
 TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human Aspartyl protease-1 (Asp-1) deltaTM (His)6 protein.

L6 ANSWER 77 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02607 peptide DGENE  
 TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human \*\*\*APP\*\*\* gamma- \*\*\*secretase\*\*\* specific substrate peptide, PHA-179111E.

L6 ANSWER 78 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02606 peptide DGENE  
 TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human wild-type \*\*\*APP\*\*\* beta- \*\*\*secretase\*\*\* substrate peptide, PHA-95812E.

L6 ANSWER 79 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02605 peptide DGENE

TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human \*\*\*APP\*\*\* -Sw beta- \*\*\*secretase\*\*\* substrate peptide mutant, PHA-247574E.

L6 ANSWER 80 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAE02604 peptide DGENE  
 TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human Aspartyl protease 1 ( \*\*\*Asp1\*\*\* ) PreSission peptide.

L6 ANSWER 81 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAY88424 Protein DGENE  
 TI New enzyme designated human aspartase useful in research into Alzheimer's Disease is capable of cleaving amyloid protein precursor at the beta \*\*\*secretase\*\*\* site to produce amyloid beta peptide -  
 IN Gurney M E; Bienkowski M J; Heinrikson R L; Parodi L A; Yan R  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2000017369 A2 20000330 183p  
 AI WO 1999-US20881 19990923  
 PRAI US 1998-101594 19980924  
 DT Patent  
 LA English  
 OS 2000-303209 [26]  
 CR N-PSDB: AAA15661  
 DESC Human aspartyl protease 1 ( \*\*\*Asp1\*\*\* ) amino acid sequence.

L6 ANSWER 82 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17902 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Antisense PCR primer used to delete TM domain of human Asp 1.

L6 ANSWER 83 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17901 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M

PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Sense PCR primer used to delete TM domain of human Asp 1.

L6 ANSWER 84 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17900 CDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10651  
 DESC Human amyloid protein precursor 751-KK (APP751-KK) isoform cDNA.

L6 ANSWER 85 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17899 CDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10650  
 DESC Human amyloid protein precursor 770-KK (APP770-KK) isoform cDNA.

L6 ANSWER 86 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17898 CDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10649  
 DESC Human amyloid protein precursor 751 (APP751) cDNA.



L6 ANSWER 87 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17897 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10648  
 DESC Human amyloid protein precursor 770 (APP770) cDNA.

L6 ANSWER 88 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17896 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10647  
 DESC Human-Asp 2(b) lacking TM domain (His)6 protein encoding cDNA.

L6 ANSWER 89 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17895 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10646  
 DESC Human-Asp 2(b) protein lacking transmembrane domain encoding cDNA.

L6 ANSWER 90 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17894 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923

US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC PCR primer, #275 used to modify the 3' end of APP695 cDNA.

L6 ANSWER 91 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17893 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC PCR primer, #274 to introduce di-lysine motif at C-terminus of APP695.

L6 ANSWER 92 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17892 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC PCR primer, #276 to introduce di-lysine motif at C-terminus of APP695.

L6 ANSWER 93 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17891 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Phosphorylated oligo #566, to assist purification of human Asp 2(a).

L6 ANSWER 94 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17890 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p

AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Phosphorylated oligo #565, to assist purification of human Asp 2(a).

L6 ANSWER 95 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17889 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 2(a) cDNA amplifying PCR primer, #554.

L6 ANSWER 96 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17888 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human aspartyl protease 2(a) cDNA amplifying PCR primer, #573.

L6 ANSWER 97 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17887 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Oligo #572 used for the expression of N-terminal human-Asp-2a protein.

L6 ANSWER 98 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17886 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's

disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206

DT Patent  
LA English  
OS 2001-444208 [48]  
DESC Oligo #571 used for the expression of N-terminal human-Asp-2a protein.

L6 ANSWER 99 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD17885 DNA DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206

DT Patent  
LA English  
OS 2001-444208 [48]  
DESC Antisense linker, used to reduce the GC content of human Asp-2a cDNA.

L6 ANSWER 100 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD17884 DNA DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206

DT Patent  
LA English  
OS 2001-444208 [48]  
DESC Sense linker, used to reduce the GC content of human Asp-2a cDNA.

L6 ANSWER 101 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD17883 DNA DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206

DT Patent  
LA English  
OS 2001-444208 [48]  
DESC Human-aspartyl protease 2(a) (Asp-2a) cDNA cloning PCR primer, #560.

L6 ANSWER 102 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAD17882 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human-aspartyl protease 2(a) (Asp-2a) cDNA cloning PCR primer, #559.

L6 ANSWER 103 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17881 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human-Asp 2(a) cDNA amplifying PCR primer, #554.

L6 ANSWER 104 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17880 DNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English  
 OS 2001-444208 [48]  
 DESC Human-Asp 2(a) cDNA amplifying PCR primer, #553.

L6 ANSWER 105 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17879 CDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206

DT Patent  
 LA English

OS 2001-444208 [48]  
CR P-PSDB: AAE10643  
DESC Human-Asp 2(a) lacking TM domain (His)6 protein encoding cDNA.

L6 ANSWER 106 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD17878 cDNA DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR P-PSDB: AAE10642  
DESC Human-Asp 2(a) protein lacking transmembrane domain encoding cDNA.

L6 ANSWER 107 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD17877 cDNA DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR P-PSDB: AAE10641  
DESC T7-Caspase-Caspase 8 cleavage-human-pro-Asp2(a) lacking TM domain cDNA.

L6 ANSWER 108 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD17876 cDNA DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR P-PSDB: AAE10640  
DESC Human-pro-Asp 2(a) protein lacking TM domain (low GC) encoding cDNA.

L6 ANSWER 109 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD17875 cDNA DGENE  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p



AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10639  
 DESC T7-Caspase-human-pro-Asp 2(a) protein lacking TM domain encoding cDNA.

L6 ANSWER 110 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17874 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10638  
 DESC T7-Human-pro-Asp 2(a) protein lacking TM domain encoding cDNA.

L6 ANSWER 111 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17873 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10637  
 DESC Human amyloid protein precursor 695-VF-KK (APP695-VF-KK) isoform cDNA.

L6 ANSWER 112 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17872 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10636  
 DESC Human amyloid protein precursor 695-Sw-KK (APP695-Sw-KK) isoform cDNA.

L6 ANSWER 113 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN

AN AAD17871 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10635  
 DESC Human amyloid protein precursor 695-KK (APP695-KK) isoform cDNA.

L6 ANSWER 114 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17870 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10634  
 DESC Human amyloid protein precursor 695-VF (APP695-VF) isoform cDNA.

L6 ANSWER 115 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17869 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10633  
 DESC Human amyloid protein precursor 695-Swedish (APP695-sw) isoform cDNA.

L6 ANSWER 116 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17868 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013

US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10632  
 DESC Human wild-type amyloid protein precursor 695 (APP695) cDNA.

L6 ANSWER 117 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17867 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10631  
 DESC Murine aspartyl protease 2(a) [Asp2(a)] cDNA.

L6 ANSWER 118 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17866 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10630  
 DESC Human aspartyl protease 2(b) [hu-Asp2(b)] cDNA.

L6 ANSWER 119 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17865 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -  
 IN Bienkowski M J; Gurney M  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI GB 2357767 A 20010704 187p  
 AI GB 2000-23315 20000922  
 PRAI US 1999-155493 19990923  
 US 1999-404133 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-444208 [48]  
 CR P-PSDB: AAE10629  
 DESC Human aspartyl protease 2(a) [hu-Asp2(a)] cDNA.

L6 ANSWER 120 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAD17864 cDNA DGENE  
 TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease -

IN Bienkowski M J; Gurney M  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI GB 2357767 A 20010704 187p  
AI GB 2000-23315 20000922  
PRAI US 1999-155493 19990923  
US 1999-404133 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-444208 [48]  
CR P-PSDB: AAE10628  
DESC Human aspartyl protease 1 (hu- \*\*\*Asp1\*\*\* ) cDNA.

L6 ANSWER 121 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAS11516 cDNA DGENE  
TI Novel purified polypeptide comprising fragment of mammalian aspartyl  
protease 2, lacking Asp2 transmembrane domain and retaining beta  
\*\*\*secretase\*\*\* activity of Asp2 useful for identifying inhibitors of  
Asp2 activity -

IN Bienkowski M J; Gurney M E; Heinrikson R L; Parodi L A; Yan R  
PA (BIEN-I) BIENKOWSKI M J.  
(GURN-I) GURNEY M E.  
(HEIN-I) HEINRIKSON R L.  
(PARO-I) PARODI L A.  
(YANR-I) YAN R.  
PI WO 2001049098 A2 20010712 185p  
AI WO 2001-IB798 20010509  
PRAI WO 2001-IB798 20010509  
DT Patent  
LA English  
OS 2001-502549 [55]  
CR P-PSDB: AAU06602  
DESC Human cDNA encoding Aspartyl protease 1 ( \*\*\*Asp1\*\*\* ).

L6 ANSWER 122 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD13020 cDNA DGENE  
TI Novel purified polypeptide comprising fragment of mammalian aspartyl  
protease 2, lacking Asp2 transmembrane domain and retaining beta  
\*\*\*secretase\*\*\* activity of Asp2 useful for identifying inhibitors of  
Asp2 activity -

IN Bienkowski M J; Gurney M E; Heinrikson R L; Parodi L A; Yan R  
PA (BIEN-I) BIENKOWSKI M J.  
(GURN-I) GURNEY M E.  
(HEIN-I) HEINRIKSON R L.  
(PARO-I) PARODI L A.  
(YANR-I) YAN R.  
PI WO 2001050829 A2 20010719 185p  
AI WO 2001-IB799 20010509  
PRAI WO 2001-IB799 20010509  
DT Patent  
LA English  
OS 2001-483072 [52]  
CR P-PSDB: AAE06858  
DESC Human aspartyl protease 1 (Hu- \*\*\*Asp1\*\*\* ) cDNA.

L6 ANSWER 123 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD06775 DNA DGENE  
TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid  
precursor protein, useful for the treatment of Alzheimer's disease -

IN Gurney M; Bienkowski M J  
PA (PHAA) PHARMACIA & UPJOHN CO.  
PI WO 2001023533 A2 20010405 189p  
AI WO 2000-US26080 20000922  
PRAI US 1999-155493 19990923  
WO 1999-US20881 19990923  
US 1999-416901 19991013  
US 1999-169232 19991206  
DT Patent  
LA English  
OS 2001-290516 [30]  
DESC Human Aspartyl protease-1 deltaTM (His)6 DNA antisense PCR primer.

L6 ANSWER 124 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
AN AAD06774 DNA DGENE

TI Enzymes that cleave the alpha- \*\*\*secretase\*\*\* site of the amyloid precursor protein, useful for the treatment of Alzheimer's disease -  
 IN Gurney M; Bienkowski M J  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2001023533 A2 20010405 189p  
 AI WO 2000-US26080 20000922  
 PRAI US 1999-155493 19990923  
 WO 1999-US20881 19990923  
 US 1999-416901 19991013  
 US 1999-169232 19991206  
 DT Patent  
 LA English  
 OS 2001-290516 [30]  
 DESC Human Aspartyl protease-1 (Asp-1) deltaTM (His)6 DNA sense PCR primer.

L6 ANSWER 125 OF 145 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN  
 AN AAA15661 cDNA DGENE  
 TI New enzyme designated human aspartase useful in research into Alzheimer's Disease is capable of cleaving amyloid protein precursor at the beta \*\*\*secretase\*\*\* site to produce amyloid beta peptide -  
 IN Gurney M E; Bienkowski M J; Heinrikson R L; Parodi L A; Yan R  
 PA (PHAA) PHARMACIA & UPJOHN CO.  
 PI WO 2000017369 A2 20000330 183p  
 AI WO 1999-US20881 19990923  
 PRAI US 1998-101594 19980924  
 DT Patent  
 LA English  
 OS 2000-303209 [26]  
 CR P-PSDB: AAY88424  
 DESC Human aspartyl protease 1 ( \*\*\*Asp1\*\*\* ) nucleotide sequence.

L6 ANSWER 126 OF 145 IFIPAT COPYRIGHT 2004 IFI on STN  
 AN 10359948 IFIPAT;IFIUDB;IFICDB  
 TI METHOD OF REDUCING CELLULAR PRODUCTION OF AMYLOID BETA  
 IN Bienkowski Michael J; Gurney Mark E; Heinrikson Robert L; Parodi Luis A (SE); Yan Riqiang  
 PA Unassigned Or Assigned To Individual (68000)  
 PI US 2003104365 A1 20030605  
 AI US 2000-548366 20000412  
 RLI US 1999-404133 19990923 CONTINUATION-IN-PART  
 WO 1999-US20881 19990923 CONTINUATION-IN-PART  
 US 1999-416901 19991013 DIVISION  
 PRAI US 1998-101594P 19980924 (Provisional)  
 US 1999-155493P 19990923 (Provisional)  
 FI US 2003104365 20030605  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL APPLICATION  
 CLMN 58  
 GI 12 Figure(s).  
 FIG. 1: FIG. 1 shows the nucleotide (SEQ ID NO: 1) and predicted amino acid sequence (SEQ ID NO: 2) of human \*\*\*Asp1\*\*\*.  
 FIG. 2: FIG. 2 shows the nucleotide (SEQ ID NO: 3) and predicted amino acid sequence (SEQ ID NO: 4) of human Asp2(a).  
 FIG. 3: FIG. 3 shows the nucleotide (SEQ ID NO: 5) and predicted amino acid sequence (SEQ ID NO: 6) of human Asp2(b). The predicted transmembrane domain of Hu-Asp2(b) is enclosed in brackets.  
 FIG. 4: FIG. 4 shows the nucleotide (SEQ ID No. 7) and predicted amino acid sequence (SEQ ID No. 8) of murine Asp2(a).  
 FIG. 5: FIG. 5 shows the BestFit alignment of the predicted amino acid sequences of Hu-Asp2(a) and murine Asp2(a).  
 FIG. 6: FIG. 6 shows the nucleotide (SEQ ID No. 21) and predicted amino acid sequence (SEQ ID No. 22) of T7-Human-proAsp-2(a) Delta TM.  
 FIG. 7: FIG. 7 shows the nucleotide (SEQ ID No. 23) and predicted amino acid sequence (SEQ ID No. 24) of T7-caspaseHuman-pro-Asp-2(a) Delta TM.  
 FIG. 8: FIG. 8 shows the nucleotide (SEQ ID No. 25) and predicted amino acid sequence (SEQ ID No. 26) of Human-pro-Asp2(a) Delta TM (low GC).  
 FIG. 9: Western blot showing reduction of CTF99 production by HEK125.3 cells transfected with antisense oligomers targeting the Hu-Asp2 mRNA.  
 FIG. 10: Western blot showing increase in CTF99 production in mouse Neuro-2a cells cotransfected with \*\*\*APP\*\*\* -KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2. A further increase in CTF99 production is seen in cells cotransfected with \*\*\*APP\*\*\* -Sw-KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2.  
 FIG. 11: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30).

of Human-Asp2(a) Delta TM  
FIG. 12: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)  
of Human-Asp2(a) Delta TM(His)6

L6 ANSWER 127 OF 145 IFIPAT COPYRIGHT 2004 IFI on STN  
AN 10332812 IFIPAT;IFIUDB;IFICDB  
TI ALZHEIMER'S DISEASE, \*\*\*SECRETASE\*\*\* , \*\*\*APP\*\*\* SUBSTRATES  
THEREFOR, AND USES THEREFOR  
IN Bienkowski Michael J; Gurney Mark E; Heinrikson Robert L; Parodi Luis A  
(SE); Yan Riqiang  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2003077226 A1 20030424  
AI US 2001-869414 20010627  
WO 2001-IB797 20010509  
20010627 PCT 371 date  
20010627 PCT 102(e) date  
FI US 2003077226 20030424  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
CLMN 150  
GI 12 Figure(s).  
FIG. 1: FIG. 1 shows the nucleotide (SEQ ID NO: 1) and predicted amino  
acid sequence (SEQ ID NO:2) of human \*\*\*Asp1\*\*\*.  
FIG. 2: FIG. 2 shows the nucleotide (SEQ ID NO:3) and predicted amino acid  
sequence (SEQ ID NO:4) of human Asp2(a).  
FIG. 3: FIG. 3 shows the nucleotide (SEQ ID NO:5) and predicted amino acid  
sequence (SEQ ID NO:6) of human Asp2(b). The predicted transmembrane  
domain of Hu-Asp2(b) is enclosed in brackets.  
FIG. 4: FIG. 4 shows the nucleotide (SEQ ID No.7) and predicted amino acid  
sequence (SEQ ID No. 8) of murine Asp2(a).  
FIG. 5: FIG. 5 shows the BestFit alignment of the predicted amino acid  
sequences of Hu-Asp2(a) (SEQ ID NO: 4) and murine Asp2(a) (SEQ ID NO: 8).  
FIG. 6: FIG. 6 shows the nucleotide (SEQ ID No. 21) and predicted amino  
acid sequence (SEQ ID No. 22) of T7-Human-proAsp-2(a) Delta TM.  
FIG. 7: FIG. 7 shows the nucleotide (SEQ ID No. 23) and predicted amino  
acid sequence (SEQ ID No. 24) of T7-caspaseHuman-pro-Asp-2(a) Delta TM.  
FIG. 8: FIG. 8 shows the nucleotide (SEQ ID No. 25) and predicted amino  
acid sequence (SEQ ID No. 26) of Human-pro-Asp2(a) Delta TM (low GC)  
FIG. 9: Western blot showing reduction of CTF99 production by HEK125.3  
cells transfected with antisense oligomers targeting the Hu-Asp2 mRNA.  
FIG. 10: Western blot showing increase in CTF99 production in mouse  
Neuro-2a cells cotransfected with \*\*\*APP\*\*\* -KK with and without  
Hu-Asp2 only in those cells cotransfected with Hu-Asp2. A further  
increase in CTF99 production is seen in cells cotransfected with  
\*\*\*App\*\*\* -Sw-KK with and without Hu-Asp2 only in those cells  
cotransfected with Hu-Asp2.  
FIG. 11: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)  
of Human-Asp2(a) Delta TM.  
FIG. 12: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)  
of Human-Asp2(a) Delta TM(His)6

L6 ANSWER 128 OF 145 IFIPAT COPYRIGHT 2004 IFI on STN  
AN 10138009 IFIPAT;IFIUDB;IFICDB  
TI ALZHEIMER'S DISEASE \*\*\*SECRETASE\*\*\* , \*\*\*APP\*\*\* SUBSTRATES  
THEREFOR, AND USES THEREFOR; DETECTING PREFERENTIAL ENZYME INHIBITORS;  
OBTAIN SAMPLE CONTAINING PROTEASE, INCUBATE WITH AMYLOID PRECURSOR  
PROTEIN, INCUBATE WITH MODULATORS, COMPARE AMOUNT OF AMYLOID PRECURSOR  
PROTEIN PROCESSING WITH CONTROL  
IN Bienkowski Michael J; Gurney Mark E (IS); Heinrikson Robert L; Parodi  
Luis A (SE); Yan Riqiang  
PA Unassigned Or Assigned To Individual (68000)  
PI US 2002081634 A1 20020627  
AI US 2001-681442 20010405  
RLI US 1999-416901 19991013 CONTINUATION PENDING  
US 1999-404133 19990923 CONTINUATION-IN-PART PENDING  
WO 1999-US20881 19990923 CONTINUATION-IN-PART UNKNOWN  
PRAI US 1998-101594P 19980924 (Provisional)  
US 1999-155493P 19990923 (Provisional)  
FI US 2002081634 20020627  
DT Utility; Patent Application - First Publication  
FS CHEMICAL  
APPLICATION  
CLMN 28  
GI 12 Figure(s).  
FIG. 1: FIG. 1 shows the nucleotide (SEQ ID NO:1) and predicted amino acid



sequence (SEQ ID NO:2) of human \*\*\*Asp1\*\*\*  
 FIG. 2: FIG. 2 shows the nucleotide (SEQ ID NO:3) and predicted amino acid sequence (SEQ ID NO:4) of human Asp2(a).  
 FIG. 3: FIG. 3 shows the nucleotide (SEQ ID NO:5) and predicted amino acid sequence (SEQ ID NO:6) of human Asp2(b). The predicted transmembrane domain of Hu-Asp2(b) is enclosed in brackets.  
 FIG. 4: FIG. 4 shows the nucleotide (SEQ ID No. 7) and predicted amino acid sequence (SEQ ID No. 8) of murine Asp2(a).  
 FIG. 5: FIG. 5 shows the BestFit alignment of the predicted amino acid sequences of Hu-Asp2(a) (SEQ ID NO:4) and murine Asp2(a) (SEQ ID NO:8).  
 FIG. 6: FIG. 6 shows the nucleotide (SEQ ID No. 21) and predicted amino acid sequence (SEQ ID No.22) of T7-Human-proAsp-2(a) Delta TM.  
 FIG. 7: FIG. 7 shows the nucleotide (SEQ ID No. 23) and predicted amino acid sequence (SEQ ID No.24) of T7-caspaseHuman-pro-Asp-2(a) Delta TM.  
 FIG. 8: FIG. 8 shows the nucleotide (SEQ ID No. 25) and predicted amino acid sequence (SEQ ID No.26) of Human-pro-Asp2(a) Delta TM (low GC).  
 FIG. 9: Western blot showing reduction of CTF99 production by HEKI 25.3 cells transfected with antisense oligomers targeting the Hu-Asp2 mRNA.  
 FIG. 10: Western blot showing increase in CTF99 production in mouse Neuro-2a cells cotransfected with \*\*\*APP\*\*\* -KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2. A further increase in CTF99 production is seen in cells cotransfected with \*\*\*APP\*\*\* -Sw-KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2.  
 FIG. 11: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30) of Human-Asp2(a) Delta TM.  
 FIG. 12: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30) of Human-Asp2(a) Delta TM(His)6.

L6 ANSWER 129 OF 145 IFIPAT COPYRIGHT 2004 IFI on STN  
 AN 10121212 IFIPAT;IFIUDB;IFICDB  
 TI ALZHEIMER'S DISEASE \*\*\*SECRETASE\*\*\*, \*\*\*APP\*\*\* SUBSTRATES  
 THEREFOR, AND USES THEREFOR; POLYPEPTIDE FOR USE IN THE TREATMENT AND  
 PREVENTION OF NERVOUS SYSTEM DISORDERS  
 IN Bienkowski Michael J; Gurney Mark E; Heinrichson Robert L; Parodi Luis A  
 (SE); Yan Riqiang  
 PA Pharmacia & Upjohn Co (40747)  
 PI US 2002064819 A1 20020530  
 AI US 2001-794925 20010227  
 RLI US 1999-404133 19990923 CONTINUATION PENDING  
 WO 1999-US20881 19990923 CONTINUATION UNKNOWN  
 US 1999-416901 19991013 CONTINUATION PENDING  
 PRAI US 1998-101594P 19980924 (Provisional)  
 US 1999-155493P 19990923 (Provisional)  
 FI US 2002064819 20020530  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 CLMN 23  
 GI 8 Figure(s).

FIG. 1: FIG. 1 shows the nucleotide (SEQ ID NO: 1) and predicted amino acid sequence (SEQ ID NO:2) of human \*\*\*Asp1\*\*\*  
 FIG. 2: FIG. 2 shows the nucleotide (SEQ ID NO:3) and predicted amino acid sequence (SEQ ID NO:4) of human Asp2(a).  
 FIG. 3: FIG. 3 shows the nucleotide (SEQ ID NO:5) and predicted amino acid sequence (SEQ ID NO:6) of human Asp2(b). The predicted transmembrane domain of Hu-Asp2(b) is enclosed in brackets.  
 FIG. 4: FIG. 4 shows the nucleotide (SEQ ID No. 7) and predicted amino acid sequence (SEQ ID No. 8) of murine Asp2(a) FIG. 5: FIG. 5 shows the BestFit alignment of the predicted amino acid sequences of Hu-Asp2(a) (SEQ ID NO: 4) and murine Asp2(a) (SEQ ID NO: 8).  
 FIG. 6: FIG. 6 shows the nucleotide (SEQ ID No. 21) and predicted amino acid sequence (SEQ ID No. 22) of T7-Human-proAsp-2(a) Delta TM FIG. 7: FIG. 7 shows the nucleotide (SEQ ID No. 23) and predicted amino acid sequence (SEQ ID No. 24) of T7caspase-Human-pro-Asp-2(a) Delta TM FIG. 8: FIG. 8 shows the nucleotide (SEQ ID No. 25) and predicted amino acid sequence (SEQ ID No. 26) of Human-pro-Asp-2(a) Delta TM (low GC) FIG. 9: Western blot showing reduction of CTF99 production by HEK125.3 cells transfected with antisense oligomers targeting the HuAsp2 mRNA.  
 FIG. 10: Western blot showing increase in CTF99 production in mouse Neuro-2a cells cotransfected with \*\*\*APP\*\*\* -KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2. A further increase in CTF99 production is seen in cells cotransfected with \*\*\*APP\*\*\* -Sw-KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2  
 FIG. 11: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)

of Human-Asp2(a) Delta TM  
 FIG. 12: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)  
 of Human-Asp2(a) Delta TM(His)6

L6 ANSWER 130 OF 145 IFIPAT COPYRIGHT 2004 IFI on STN  
 AN 10021384 IFIPAT;IFIUDB;IFICDB  
 TI ALZHEIMER'S DISEASE \*\*\*SECRETASE\*\*\* , \*\*\*APP\*\*\* SUBSTRATES  
 THEREFOR, AND USES THEREFOR; ISOLATED POLYPEPTIDE  
 IN Bienkowski Michael J; Gurney Mark E; Heinrikson Robert L; Parodi Luis A  
 (SE); Yan Riqiang  
 PA Pharmacia & Upjohn Co (40747)  
 PI US 2001021391 A1 20010913  
 AI US 2001-794743 20010227  
 RLI US 1999-404133 19990923 CONTINUATION  
 WO 1999-US20881 19990923 CONTINUATION  
 US 1999-416901 19991013 CONTINUATION  
 PRAI US 1998-101594P 19980924 (Provisional)  
 US 1999-155493P 19990923 (Provisional)  
 FI US 2001021391 20010913  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 CLMN 16  
 GI 12 Figure(s).  
 FIG. 1: FIG. 1 shows the nucleotide (SEQ ID NO: 1) and predicted amino  
 acid sequence (SEQ ID NO:2) of human \*\*\*Asp1\*\*\*.  
 FIG. 2: FIG. 2 shows the nucleotide (SEQ ID NO:3) and predicted amino acid  
 sequence (SEQ ID NO:4) of human Asp2(a).  
 FIG. 3: FIG. 3 shows the nucleotide (SEQ ID NO:5) and predicted amino acid  
 sequence (SEQ ID NO:6) of human Asp2(b). The predicted transmembrane  
 domain of Hu-Asp2(b) is enclosed in brackets.  
 FIG. 4: FIG. 4 shows the nucleotide (SEQ ID No. 7) and predicted amino  
 acid sequence (SEQ ID No. 8) of murine Asp2(a)  
 FIG. 5: FIG. 5 shows the BestFit alignment of the predicted amino acid  
 sequences of Hu-Asp2(a) (SEQ ID NO: 4) and murine Asp2(a) (SEQ ID NO: 8).  
 FIG. 6: FIG. 6 shows the nucleotide (SEQ ID No. 21) and predicted amino  
 acid sequence (SEQ ID No. 22) of T7-Human-proAsp-2(a) Delta TM  
 FIG. 7: FIG. 7 shows the nucleotide (SEQ ID No. 23) and predicted amino  
 acid sequence (SEQ ID No. 24) of T7-caspaseHuman-pro-Asp-2(a) Delta TM  
 FIG. 8: FIG. 8 shows the nucleotide (SEQ ID No. 25) and predicted amino  
 acid sequence (SEQ ID No. 26) of Human-pro-Asp2(a) Delta TM (low GC)  
 FIG. 9: Western blot showing reduction of CTF99 production by HEK125.3  
 cells transfected with antisense oligomers targeting the Hu-Asp2 mRNA.  
 FIG. 10: Western blot showing increase in CTF99 production in mouse  
 Neuro-2a cells cotransfected with \*\*\*APP\*\*\* -KK with and without  
 Hu-Asp2 only in those cells cotransfected with Hu-Asp2. A further  
 increase in CTF99 production is seen in cells cotransfected with  
 \*\*\*APP\*\*\* -Sw-KK with and without Hu-Asp2 only in those cells  
 cotransfected with Hu-Asp2  
 FIG. 11: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)  
 of Human-Asp2(a) Delta TM  
 FIG. 12: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)  
 of Human-Asp2(a) Delta TM(His)6

L6 ANSWER 131 OF 145 IFIPAT COPYRIGHT 2004 IFI on STN  
 AN 10018206 IFIPAT;IFIUDB;IFICDB  
 TI ALZHEIMER'S DISEASE \*\*\*SECRETASE\*\*\* , \*\*\*APP\*\*\* SUBSTRATES  
 THEREFOR, AND USES THEREFOR; POLYNUCLEOTIDE ENCODING POLYPEPTIDE  
 COMPRISING FRAGMENT OF MAMMALIAN ASPARTYL PROTEASE PROTEIN (ASP2) WITH  
 BETA- \*\*\*SECRETASE\*\*\* ACTIVITY; TREATMENT OF ALZHEIMER'S DISEASE  
 IN Bienkowski Michael J; Gurney Mark E; Heinrikson Robert L; Parodi Luis A  
 (SE); Yan Riqiang  
 PA Pharmacia & Upjohn Co (40747)  
 PI US 2001018208 A1 20010830  
 AI US 2001-795847 20010228  
 RLI US 1999-404133 19990923 CONTINUATION  
 WO 1999-US20881 19990923 CONTINUATION  
 US 1999-416901 19991013 CONTINUATION  
 PRAI US 1998-101594P 19980924 (Provisional)  
 US 1999-155493P 19990923 (Provisional)  
 FI US 2001018208 20010830  
 DT Utility; Patent Application - First Publication  
 FS CHEMICAL  
 APPLICATION  
 CLMN 44  
 GI 12 Figure(s).

FIG. 1: FIG. 1 shows the nucleotide (SEQ ID NO: 1) and predicted amino acid sequence (SEQ ID NO: 2) of human \*\*\*Asp1\*\*\*.

FIG. 2: FIG. 2 shows the nucleotide (SEQ ID NO: 3) and predicted amino acid sequence (SEQ ID NO: 4) of human Asp2(a).

FIG. 3: FIG. 3 shows the nucleotide (SEQ ID NO: 5) and predicted amino acid sequence (SEQ ID NO: 6) of human Asp2(b). The predicted transmembrane domain of Hu-Asp2(b) is enclosed in brackets.

FIG. 4: FIG. 4 shows the nucleotide (SEQ ID No. 7) and predicted amino acid sequence (SEQ ID No. 8) of murine Asp2(a).

FIG. 5: FIG. 5 shows the BestFit alignment of the predicted amino acid sequences of Hu-Asp2(a) (SEQ ID NO: 4) and murine Asp2(a) (SEQ ID NO: 8).

FIG. 6: FIG. 6 shows the nucleotide (SEQ ID No. 21) and predicted amino acid sequence (SEQ ID No. 22) of T7-Human-proAsp-2(a) Delta TM.

FIG. 7: FIG. 7 shows the nucleotide (SEQ ID No. 23) and predicted amino acid sequence (SEQ ID No. 24) of T7-caspaseHuman-pro-Asp-2(a) Delta TM.

FIG. 8: FIG. 8 shows the nucleotide (SEQ ID No. 25) and predicted amino acid sequence (SEQ ID No. 26) of Human-pro-Asp2(a) Delta TM (low GC).

FIG. 9: Western blot showing reduction of CTF99 production by HEK125.3 cells transfected with antisense oligomers targeting the Hu-Asp2 mRNA.

FIG. 10: Western blot showing increase in CTF99 production in mouse Neuro-2a cells cotransfected with \*\*\*APP\*\*\* -KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2. A further increase in CTF99 production is seen in cells cotransfected with \*\*\*APP\*\*\* -SW-KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2.

FIG. 11: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30) of Human-Asp2(a) Delta TM.

FIG. 12: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30) of Human-Asp2(a) Delta TM(His)6.

L6 ANSWER 132 OF 145 IFIPAT COPYRIGHT 2004 IFI on STN

AN 10016322 IFIPAT;IFIUDB;IFICDB

TI ALZHEIMER'S DISEASE \*\*\*SECRETASE\*\*\*, \*\*\*APP\*\*\* SUBSTRATES

IN THEREFOR, AND USES THEREFOR; ENZYMATIC SPLITTING

IN Bienkowski Michael J; Gurney Mark E; Heinrikson Robert L; Parodi Luis A (SE); Yan Riqiang

PA Pharmacia & Upjohn Co (40747)

PI US 2001016324 A1 20010823

AI US 2001-794927 20010227

RLI US 1999-404133 19990923 CONTINUATION

WO 1999-US20881 19990923 CONTINUATION

US 1999-416901 19991013 CONTINUATION

PRAI US 1998-101594P 19980924 (Provisional)

US 1999-155493P 19990923 (Provisional)

FI US 2001016324 20010823

DT Utility; Patent Application - First Publication

FS CHEMICAL APPLICATION

CLMN 28

GI 11 Figure(s).

FIG. 1: FIG. 1 shows the nucleotide (SEQ ID NO: 1) and predicted amino acid sequence (SEQ ID NO: 2) of human \*\*\*Asp1\*\*\*.

FIG. 2: FIG. 2 shows the nucleotide (SEQ ID NO: 3) and predicted amino acid sequence (SEQ ID NO: 4) of human Asp2(a).

FIG. 3: FIG. 3 shows the nucleotide (SEQ ID NO: 5) and predicted amino acid sequence (SEQ ID NO: 6) of human Asp2(b). The predicted transmembrane domain of Hu-Asp2(b) is enclosed in brackets.

FIG. 4: FIG. 4 shows the nucleotide (SEQ ID No. 7) and predicted amino acid sequence (SEQ ID No. 8) of murine Asp2(a).

FIG. 5: FIG. 5 shows the BestFit alignment of the predicted amino acid sequences of Hu-Asp2(a) (SEQ ID NO: 4) and murine Asp2(a) (SEQ ID NO: 8).

FIG. 6: FIG. 6 shows the nucleotide (SEQ ID No. 21) and predicted amino acid sequence (SEQ ID No. 22) of T7-Human-proAsp-2(a) Delta TM.

FIG. 7: FIG. 7 shows the nucleotide (SEQ ID No. 23) and predicted amino acid sequence (SEQ ID No. 24) of T7-caspaseHuman-pro-Asp-2(a) Delta TM.

FIG. 8: FIG. 8 shows the nucleotide (SEQ ID No. 25) and predicted amino acid sequence (SEQ ID No. 26) of Human-pro-Asp2(a) Delta TM (low GC).

FIG. 9: Western blot showing reduction of CTF99 production by HEK125.3 cells transfected with antisense oligomers targeting the Hu-Asp2 mRNA.

FIG. 10: Western blot showing increase in CTF99 production in mouse Neuro-2a cells cotransfected with \*\*\*APP\*\*\* -KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2. A further increase in CTF99 production is seen in cells cotransfected with \*\*\*APP\*\*\* -SW-KK with and without Hu-Asp2 only in those cells cotransfected with Hu-Asp2.

FIG. 11: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30)

of Human-Asp2(a) Delta TM FIG. 12: FIG. 11 shows the predicted amino acid sequence (SEQ ID No. 30) of Human-Asp2(a) Delta TM(His)6

L6 ANSWER 133 OF 145 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
AN 2003:68178 SCISEARCH  
GA The Genuine Article (R) Number: 632AN  
TI beta- \*\*\*Secretase\*\*\* (BACE) as a drug target for alzheimer's disease  
AU Vassar R (Reprint)  
CS Northwestern Univ, Sch Med, Dept Cell & Mol Biol, 303 E Chicago Ave,  
Chicago, IL 60611 USA (Reprint); Northwestern Univ, Sch Med, Dept Cell &  
Mol Biol, Chicago, IL 60611 USA  
CYA USA  
SO ADVANCED DRUG DELIVERY REVIEWS, (7 DEC 2002) Vol. 54, No. 12, pp.  
1589-1602.  
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,  
NETHERLANDS.  
ISSN: 0169-409X.  
DT General Review; Journal  
LA English  
REC Reference Count: 63  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L6 ANSWER 134 OF 145 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
AN 2002:924137 SCISEARCH  
GA The Genuine Article (R) Number: 613CX  
TI Enzymic properties of recombinant BACE2  
AU Kim Y T (Reprint); Downs D; Wu S L; Dashti A; Pan Y J; Zhai P; Wang X J;  
Zhang X J C; Lin X L  
CS Oklahoma Med Res Fdn, Funct Proteom Lab, 825 NE 13th St, Oklahoma City, OK  
73104 USA (Reprint); Oklahoma Med Res Fdn, Funct Proteom Lab, Oklahoma  
City, OK 73104 USA; Oklahoma Med Res Fdn, Crystallog Program, Oklahoma  
City, OK 73104 USA; Proteomtech Inc, Oklahoma City, OK USA; Peking Univ,  
Hlth Sci Ctr, Dept Biochem & Mol Biol, Beijing 100871, Peoples R China;  
Univ Oklahoma, Med Ctr, Dept Pathol, Oklahoma City, OK USA  
CYA USA; Peoples R China  
SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (NOV 2002) Vol. 269, No. 22, pp.  
5668-5677.  
Publisher: BLACKWELL PUBLISHING LTD, P O BOX 88, OSNEY MEAD, OXFORD OX2  
ONE, OXON, ENGLAND.  
ISSN: 0014-2956.  
DT Article; Journal  
LA English  
REC Reference Count: 48  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L6 ANSWER 135 OF 145 USPATFULL on STN  
AN 2004:53297 USPATFULL  
TI Alzheimer's disease \*\*\*secretase\*\*\* , \*\*\*APP\*\*\* substrates  
therefor, and uses therefor  
IN Gurney, Mark E., Grand Rapids, MI, United States  
Bienkowski, Michael J., Portage, MI, United States  
Heinrikson, Robert L., Plainwell, MI, United States  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, United States  
PA Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S.  
corporation)  
PI US 6699671 B1 20040302  
AI US 1999-416901 19991013 (9)  
RLI Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999,  
now abandoned Continuation-in-part of Ser. No. WO 1999-US20881, filed on  
23 Sep 1999  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5439  
INCL INCLM: 435/007.100  
INCLS: 530/350.000; 530/300.000  
NCL NCLM: 435/007.100  
NCLS: 530/350.000; 530/300.000  
IC [7]  
ICM: G01N033-53  
ICS: C07K017-00; A61K038-00  
EXF 530/300; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 136 OF 145 USPATFULL on STN  
AN 2003:318772 USPATFULL  
TI Antisense modulation of beta-site \*\*\*App\*\*\* -cleaving enzyme 2  
expression  
IN Dobie, Kenneth W., Del Mar, CA, UNITED STATES  
PA Isis Pharmaceuticals Inc. (U.S. corporation)  
PI US 2003224517 A1 20031204  
AI US 2002-163272 A1 20020604 (10)  
DT Utility  
FS APPLICATION  
LN.CNT 4064  
INCL INCLM: 435/375.000  
INCLS: 514/044.000; 536/023.200  
NCL NCLM: 435/375.000  
NCLS: 514/044.000; 536/023.200  
IC [7]  
ICM: A61K048-00  
ICS: C07H021-04; C12N005-00  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 137 OF 145 USPATFULL on STN  
AN 2003:244877 USPATFULL  
TI Novel treatment  
IN Christie, Gary, Bishop's Stortford, UNITED KINGDOM  
Hussain, Ishrut, Harlow, UNITED KINGDOM  
Powell, David J., Bishop's Stortford, UNITED KINGDOM  
PA SmithKline Beecham Corporation (non-U.S. corporation)  
PI US 2003171291 A1 20030911  
AI US 2003-354955 A1 20030130 (10)  
RLI Continuation of ser. No. US 2000-693744, filed on 20 oct 2000, ABANDONED  
PRAI GB 1999-25136 19991022  
DT Utility  
FS APPLICATION  
LN.CNT 1054  
INCL INCLM: 514/012.000  
INCLS: 435/007.200; 435/023.000; 435/006.000; 514/017.000  
NCL NCLM: 514/012.000  
NCLS: 435/007.200; 435/023.000; 435/006.000; 514/017.000  
IC [7]  
ICM: C12Q001-68  
ICS: G01N033-53; G01N033-567; C12Q001-37; A61K038-08  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 138 OF 145 USPATFULL on STN  
AN 2003:159365 USPATFULL  
TI Whole cell assay systems for cell surface proteases  
IN Ciambrone, Gary J., Redwood City, CA, UNITED STATES  
Gibbons, Ian, Portola Valley, CA, UNITED STATES  
PI US 2003108978 A1 20030612  
AI US 2002-281458 A1 20021025 (10)  
PRAI US 2001-337641P 20011025 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 2061  
INCL INCLM: 435/024.000  
INCLS: 435/810.000  
NCL NCLM: 435/024.000  
NCLS: 435/810.000  
IC [7]  
ICM: C12Q001-37  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 139 OF 145 USPATFULL on STN  
AN 2003:134541 USPATFULL  
TI Inhibitors of memapsin 2 and use thereof  
IN Tang, Jordan J. N., Edmond, OK, UNITED STATES  
Koelsch, Gerald, Oklahoma City, OK, UNITED STATES  
Ghosh, Arun K., River Forest, IL, UNITED STATES  
PA Oklahoma Medical Research Foundation, Oklahoma City, OK (U.S.  
corporation)  
PI US 2003092629 A1 20030515  
AI US 2001-32818 A1 20011228 (10)  
PRAI US 2001-275756P 20010314 (60)  
US 2000-258705P 20001228 (60)  
DT Utility  
FS APPLICATION



LN.CNT 2203  
INCL INCLM: 514/013.000  
INCLS: 530/326.000  
NCL NCLM: 514/013.000  
NCLS: 530/326.000  
IC [7]  
ICM: A61K038-10  
ICS: C07K007-08

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 140 OF 145 USPATFULL on STN  
AN 2003:24148 USPATFULL  
TI Substrates and assays for beta- \*\*\*secretase\*\*\* activity  
IN Yan, Riqiang, Kalamazoo, MI, UNITED STATES  
Tomasselli, Alfredo G., Kalamazoo, MI, UNITED STATES  
Gurney, Mark E., Grand Rapids, MI, UNITED STATES  
Emmons, Thomas L., Portage, MI, UNITED STATES  
Bienkowski, Michael Jerome, Portage, MI, UNITED STATES  
Heinrikson, Robert L., Plainwell, MI, UNITED STATES  
PI US 2003017991 A1 20030123  
AI US 2001-908943 A1 20010719 (9)  
PRAI US 2000-219795P 20000719 (60)  
US 2001-275251P 20010312 (60)

DT Utility  
FS APPLICATION

LN.CNT 5259  
INCL INCLM: 514/018.000  
INCLS: 530/330.000  
NCL NCLM: 514/018.000  
NCLS: 530/330.000  
IC [7]  
ICM: A61K038-07  
ICS: C07K005-10

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 141 OF 145 USPATFULL on STN  
AN 2002:346816 USPATFULL  
TI Aspartyl protease 2 (Asp2) antisense oligonucleotides  
IN Gurney, Mark E., Grand Rapids, MI, United States  
Bienkowski, Michael J., Portage, MI, United States  
Heinrikson, Robert L., Plainwell, MI, United States  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, United States  
PA Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S. corporation)  
PI US 6500667 B1 20021231  
AI US 2000-551853 20000418 (9)  
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999  
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999  
Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999  
PRAI US 1998-101594P 19980924 (60)  
US 1999-155493P 19990923 (60)

DT Utility  
FS GRANTED

LN.CNT 5638  
INCL INCLM: 435/375.000  
INCLS: 536/023.100; 536/024.100; 536/024.500; 514/044.000  
NCL NCLM: 435/375.000  
NCLS: 514/044.000; 536/023.100; 536/024.100; 536/024.500  
IC [7]  
ICM: C12N005-00  
EXF 536/23.1; 536/24.1; 536/24.5; 514/44  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 142 OF 145 USPATFULL on STN  
AN 2002:217052 USPATFULL  
TI Alzheimer's disease \*\*\*secretase\*\*\* , \*\*\*APP\*\*\* substrates  
therefor, and uses therefor  
IN Gurney, Mark E., 910 Rosewood Ave. SE., Grand Rapids, MI, United States  
49506  
Bienkowski, Michael J., 3431 Hollow Wood, Portage, MI, United States  
49024  
Heinrikson, Robert L., 81 S. Lake Doster Dr., Plainwell, MI, United  
States 49080  
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49009  
PI US 6440698 B1 20020827  
AI US 2000-548367 20000412 (9)  
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999  
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999  
Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5651  
INCL INCLM: 435/069.100  
INCLS: 435/252.300; 435/325.000; 435/320.100; 536/023.100  
NCL NCLM: 435/069.100  
NCLS: 435/252.300; 435/320.100; 435/325.000; 536/023.100  
IC [7]  
ICM: C12P021-06  
ICS: C12N001-20; C12N018-00; C07H021-04  
EXF 435/70.1; 435/69.1; 435/252.3; 435/320.1; 435/325; 435/183; 435/212;  
435/219; 536/23.1; 536/23.4; 536/23.7; 536/23.5; 536/24.3; 514/2;  
424/94.63; 530/300; 530/350  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 143 OF 145 USPATFULL on STN  
AN 2002:175286 USPATFULL  
TI Alzheimer's disease \*\*\*secretase\*\*\* , \*\*\*APP\*\*\* substrates  
therefor, and uses thereof  
IN Gurney, Mark E., Grand Rapids, MI, United States  
Bienkowski, Michael J., Portage, MI, United States  
Heinrikson, Robert L., Plainwell, MI, United States  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, United States  
PA Pharmacia & Upjohn Company, Kalamazoo, MI, United States (U.S.  
corporation)  
PI US 6420534 B1 20020716  
AI US 2000-548372 20000412 (9)  
RLI Division of Ser. No. US 1999-416901, filed on 13 Oct 1999  
Continuation-in-part of Ser. No. US 1999-404133, filed on 23 Sep 1999  
Continuation-in-part of Ser. No. WO 1999-US20881, filed on 23 Sep 1999  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS GRANTED  
LN.CNT 5653  
INCL INCLM: 530/827.000  
INCLS: 530/350.000; 435/023.000; 435/024.000  
NCL NCLM: 435/226.000  
NCLS: 435/023.000; 435/024.000; 435/069.100; 530/350.000  
IC [7]  
ICM: C07K001-00  
ICS: C07K014-00; C07K017-00; C12Q001-37  
EXF 530/300; 530/350; 530/827; 435/23; 435/24  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 144 OF 145 USPATFULL on STN  
AN 2002:66664 USPATFULL  
TI Alzheimer's disease \*\*\*secretase\*\*\* , \*\*\*APP\*\*\* substrates  
therefor, and uses therefor  
IN Gurney, Mark E., Grand Rapids, MI, UNITED STATES  
Bienkowski, Michael J., Portage, MI, UNITED STATES  
Heinrikson, Robert L., Plainwell, MI, UNITED STATES  
Parodi, Luis A., Stockholm, SWEDEN  
Yan, Riqiang, Kalamazoo, MI, UNITED STATES  
PA Pharmacia & Upjohn Company (U.S. corporation)  
PI US 2002037315 A1 20020328  
AI US 2001-794748 A1 20010227 (9)  
RLI Continuation of Ser. No. US 1999-416901, filed on 13 Oct 1999, PENDING  
Continuation of Ser. No. US 1999-404133, filed on 23 Sep 1999, PENDING  
Continuation of Ser. No. WO 1999-US20881, filed on 23 Sep 1999, UNKNOWN  
PRAI US 1999-155493P 19990923 (60)  
US 1998-101594P 19980924 (60)  
DT Utility  
FS APPLICATION  
LN.CNT 5440  
INCL INCLM: 424/450.000  
INCLS: 424/093.210; 514/044.000

NCL NCLM: 424/450.000  
NCLS: 424/093.210; 514/044.000  
IC [7]  
ICM: A61K048-00  
ICS: A61K009-127  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 145 OF 145 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 2001-444208 [48] WPIDS  
CR 2000-303209 [24]; 2001-290516 [30]  
DNN N2001-328663 DNC C2001-134535  
TI Polypeptide comprising fragments of human aspartyl protease with amyloid precursor protein processing activity and alpha- \*\*\*secretase\*\*\* activity, for identifying modulators useful in treating Alzheimer's disease.  
DC B04 D16 S03  
IN BIENKOWSKI, M J; GURNEY, M  
PA (PHAA) PHARMACIA & UPJOHN CO  
CYC 1  
PI GB 2357767 A 20010704 (200148)\* 187p C07K014-47  
ADT GB 2357767 A GB 2000-23315 20000922  
PRAI US 1999-169232P 19991206; US 1999-155493P 19990923; US 1999-404133 19990923; WO 1999-US20881 19990923; US 1999-416901 19991013  
IC ICM C07K014-47  
ICS A61K038-00; A61P025-28; C12N001-21; C12N009-64; C12N015-57; C12Q001-68; G01N033-68  
STN INTERNATIONAL LOGOFF AT 16:16:47 ON 02 MAR 2004